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मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 10978 (1984): Welding Coupling Assembly for
Oil-hydraulic Systems [PGD 17: Fluid Power Fittings, Hoses
and Hose Assemblies]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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Indian Standard

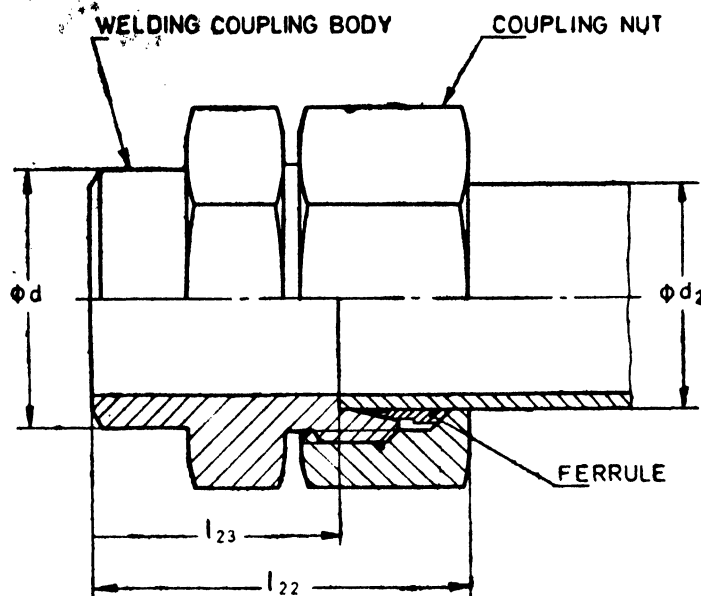
SPECIFICATION FOR WELDING COUPLING ASSEMBLY FOR OIL-HYDRAULIC SYSTEMS

1. Scope — Specifies dimensions and other requirements for welding coupling assemblies used in oil-hydraulic systems.

2. Dimensions — Shall be as given in Table 1.

TABLE 1 DIMENSIONS FOR WELDING COUPLING ASSEMBLY

All dimensions in millimetres.



Series	Outside Dia of Tube d_1	l_{23}^*	l_{22}	d
Light	6	29	14.0	10
	8	31	16.0	12
	10	33	18.0	14
L	12	33	18.0	16
	15	37	22.0	19
	18	40	23.5	22
	22	45	28.5	27
	28	47	30.5	32
	35	54	32.5	40
	42	58	35.0	46
	6	34	19.0	11
	8	36	21.0	13
	10	39	22.5	15
Heavy H	12	41	24.5	17
	14	45	27.0	19
	16	45	26.5	21
	20	51	29.5	26
	25	56	32.0	31
	30	62	35.5	36
	38	69	38.0	44

*Dimensions 22 is approximate in tightened condition.

Adopted 25 July 1984

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3. Assembly Details — A welding coupling assembly consists of ferrule conforming to IS : 8802-1978 'Specification for ferrules for oil-hydraulic couplings', coupling nut (conforming to IS : 8803-1978 'Specification for coupling nuts for oil-hydraulic couplings'), and welding coupling body conforming to Indian Standard specification for welding coupling body' (under preparation).

4. General Requirements — For details not covered in this standard reference shall be made to IS : 8805(Part 1)-1978 'General requirements for ferrule type couplings used in oil-hydraulic systems : Part 1 General'.

5. Designation — A welding coupling assembly of light series 'L' for outside diameter of tube 6 mm and conforming to this standard shall be designated as:

Welding Coupling L6 IS : 10978

6. Marking — Shall be marked with the series, the outside diameter of the tube and manufacturer's name or trade-mark.

6.1 ISI Certification Marking — Details available with the Indian Standards Institution.

EXPLANATORY NOTE

In the preparation of this standard, assistance has been derived from DIN 2353-1966 'Non-soldered taper bush type pipe unions, complete unions and survey' issued by the Deutsches Institute für Normung (DIN).

AMENDMENT NO. 1 MARCH 1989

TO

**IS : 10978 - 1984 SPECIFICATION FOR WELDING COUPLING
ASSEMBLY FOR OIL-HYDRAULIC SYSTEMS**

(*Page 2, clause 3*) — Substitute the following for the existing clause:

"3. Assembly Details — A welding coupling assembly consists of ferrules conforming to IS : 8802-1987 'Ferrules for oil-hydraulic couplings (*first revision*)', coupling nut conforming to IS : 8803-1987 'Coupling nuts for oil-hydraulic couplings (*first revision*)', and welding coupling body conforming to IS : 10956-1984 'Welding coupling body for oil-hydraulic couplings'.

(EDC 73)